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Sheet 1 of 2

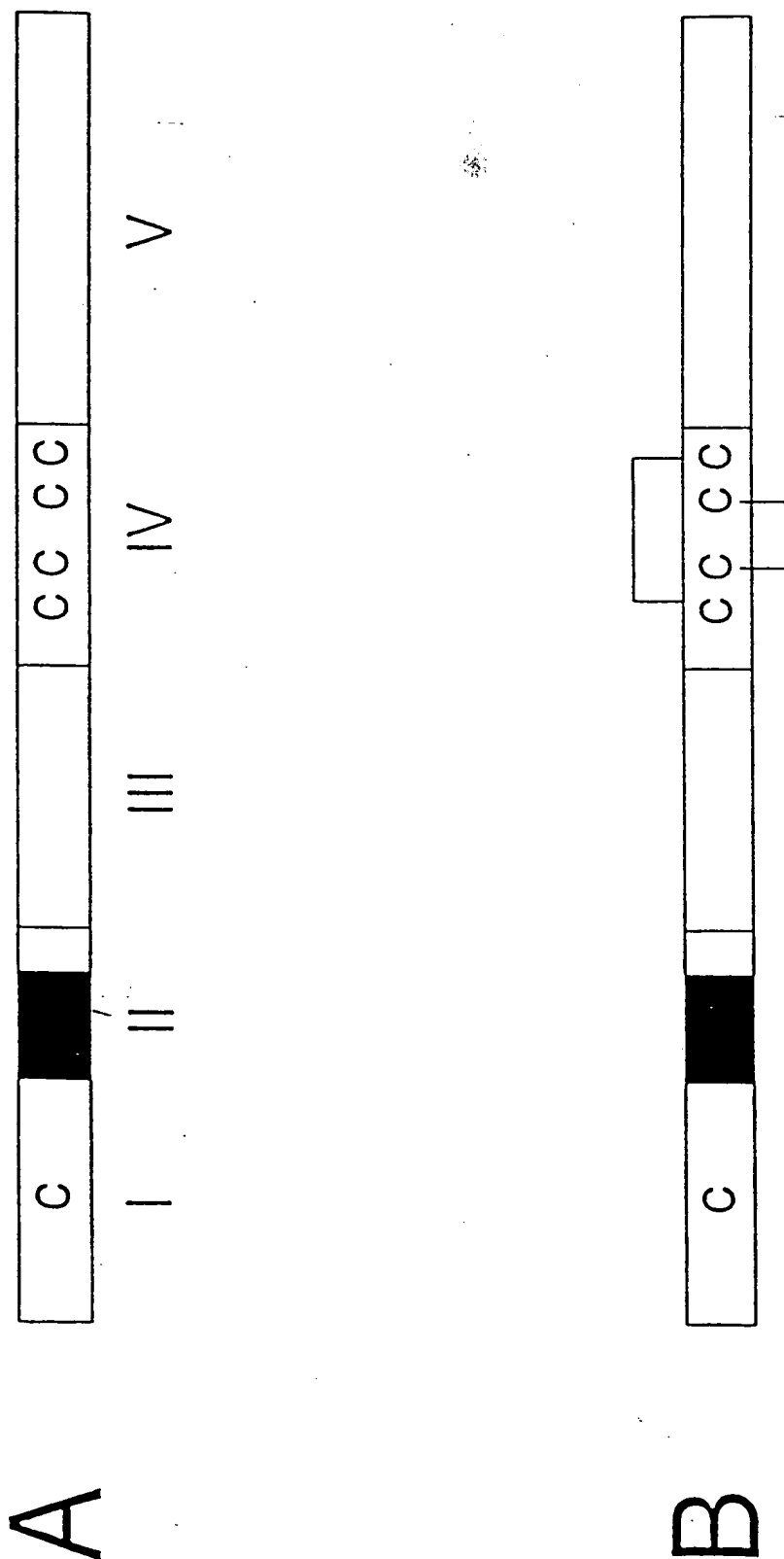


FIGURE 1

		150	160	170	180	190	195
1	KQRQKPPSKPNDHFHFEVFNFCISNNPTCWAICKRIPNKKPGKK					A2	
2	-----N-----					Long A	
3	-----					A 642	
4	-H-----					A 6614	
5	-----N-----					A 6256	
6	-----N-----					A 6190	
7	-----N-----					A 5857	
8	-----					A 1734	
9	-S-SKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 18537	
10	-S-SKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 8/60	
11	-P-PKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 1355	
12	-P-LKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 15291*	
13	-P-LKN--K--KD-Y-----G--QL-KS--T--SSN--K--					B 10010*	
14	-P-LKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 4843	
15	-S-SKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 9320	
16	NPSGSI--ENHQDHNN-QTLPY---T-EG-LA-LSL-HIETRA-SRA					Bovine	
17	-----P-----R-----					AR10c/1	
18	-----S-----R-T-----					AR10c/10	

FIGURE 2

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SECRET

\* Isolates from the same child with an interval of one year between isolations.

Isolates of the human A variants R10c/1 and R10c/10 were generated by propagation of the Long A strain in the presence of a monoclonal antibody directed at the cysteine containing constant region on the G protein.

FIGURE 2 (cont.)

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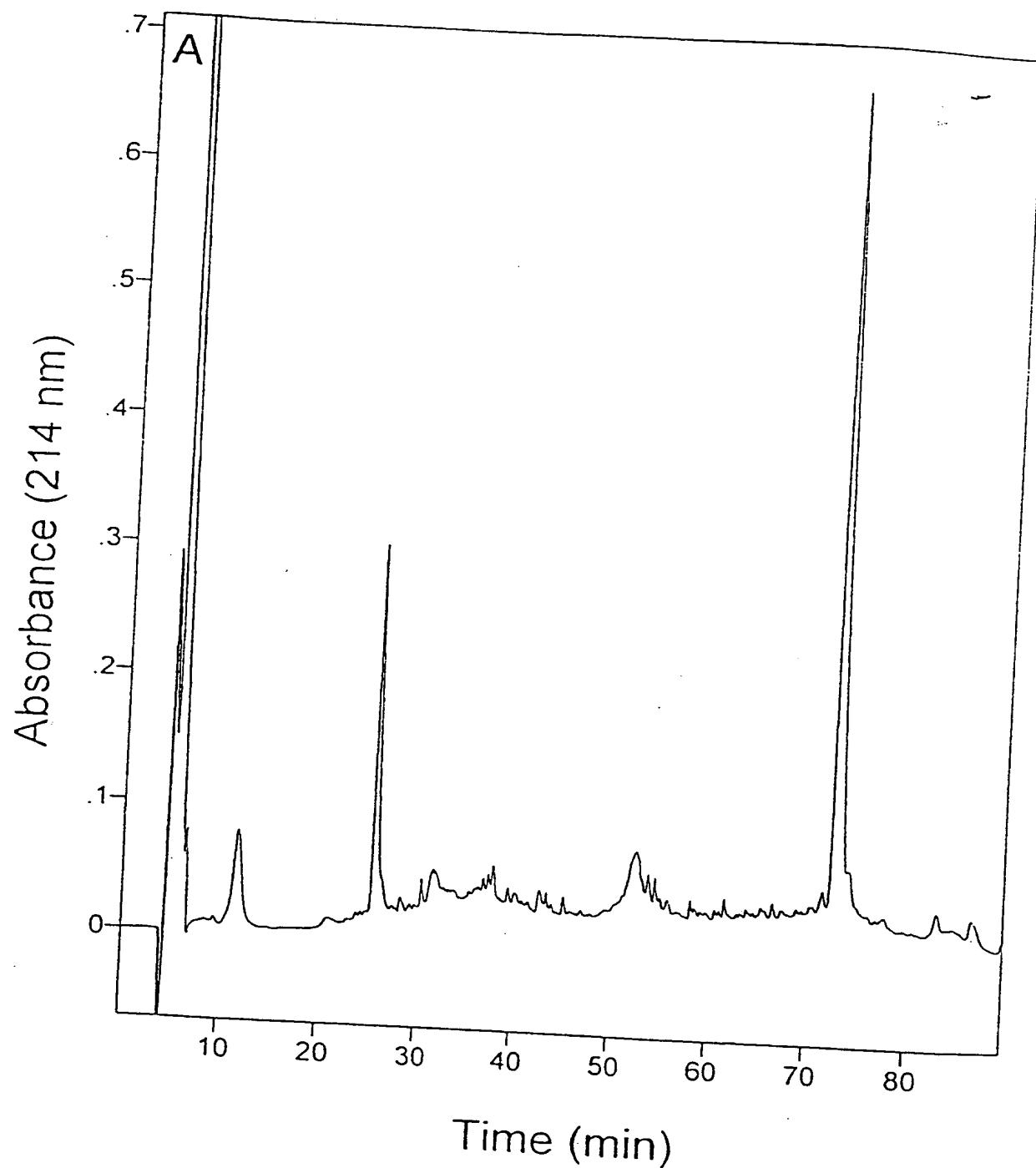
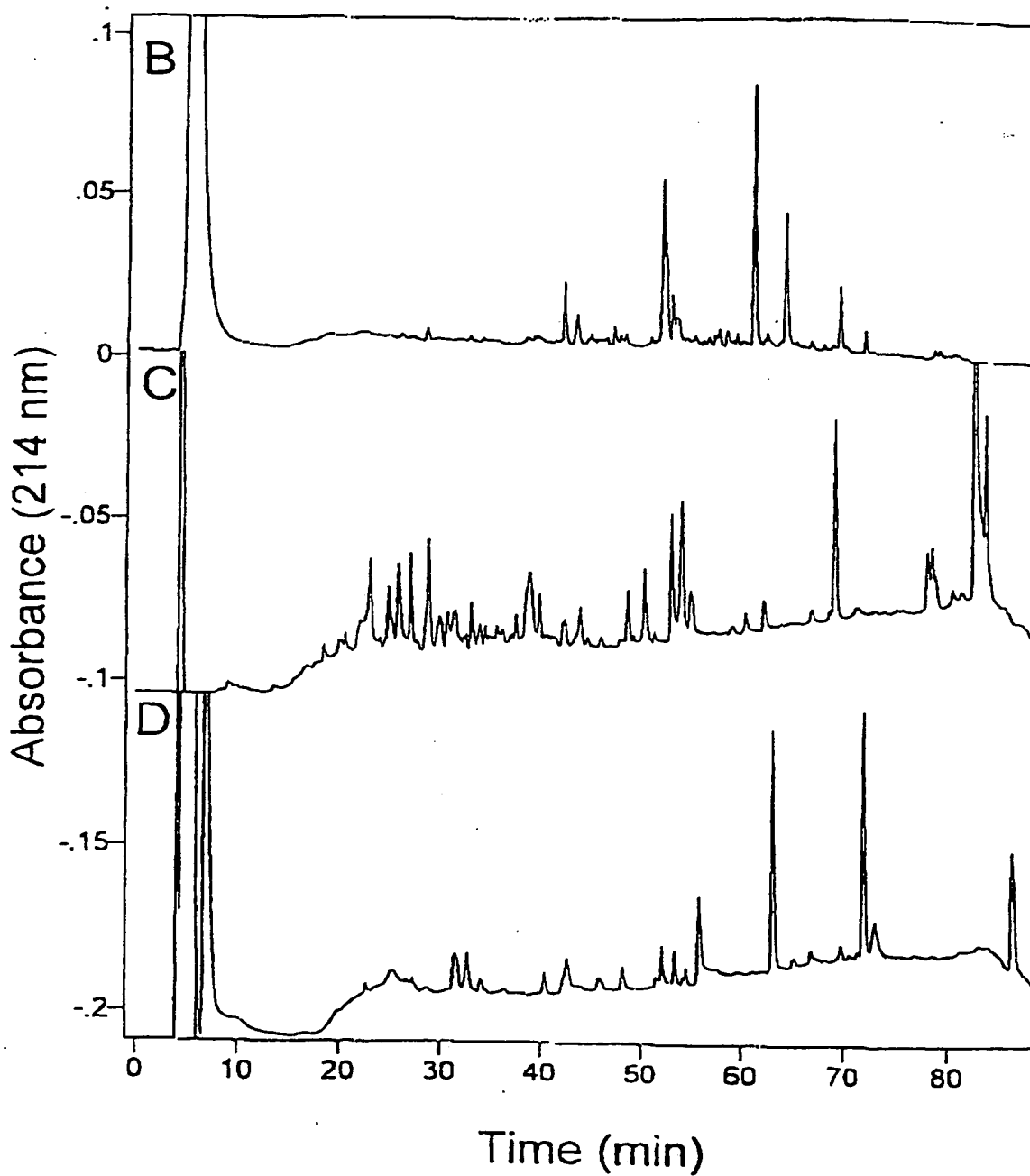


FIGURE 3A

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FIGURES 3B to 3D

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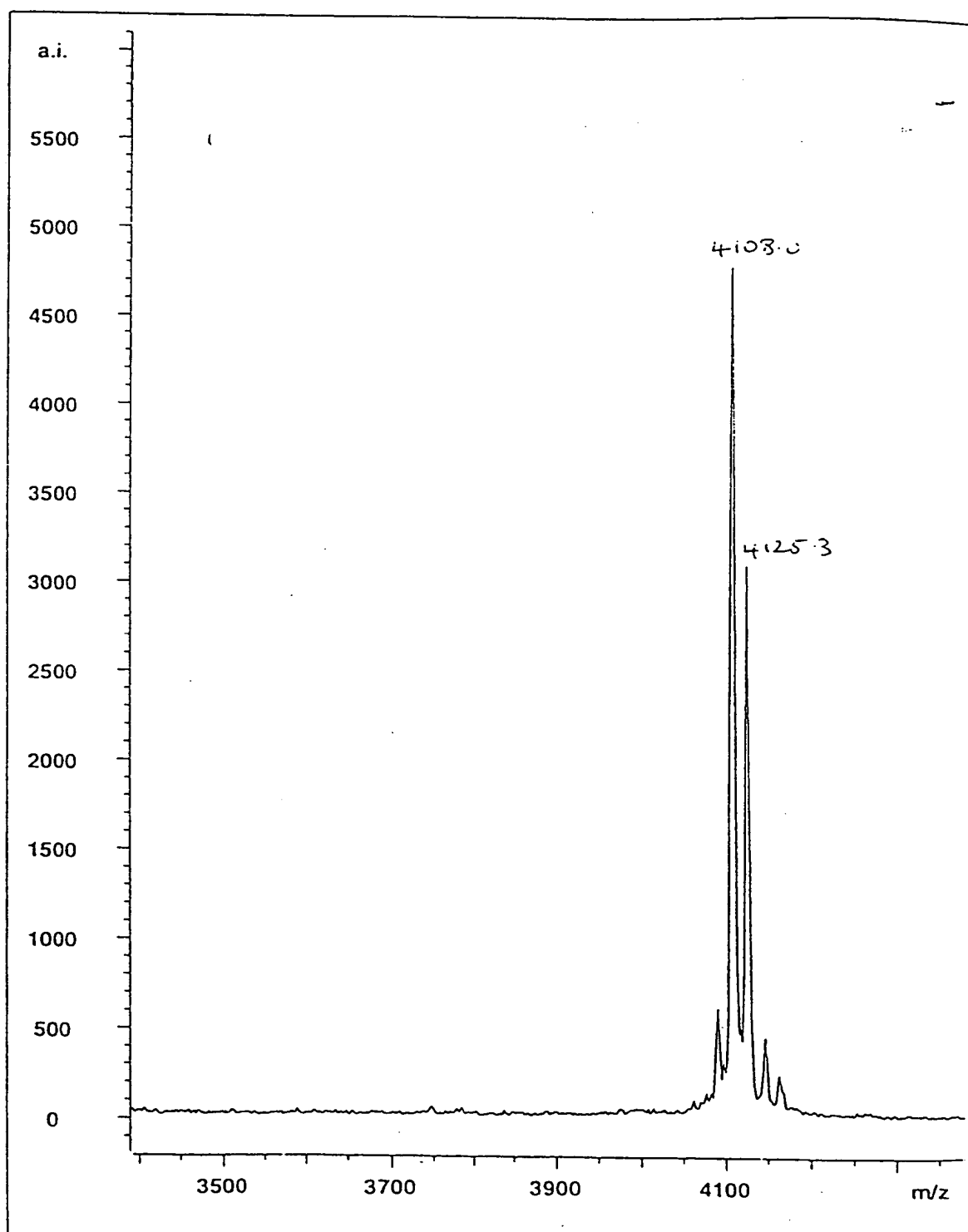
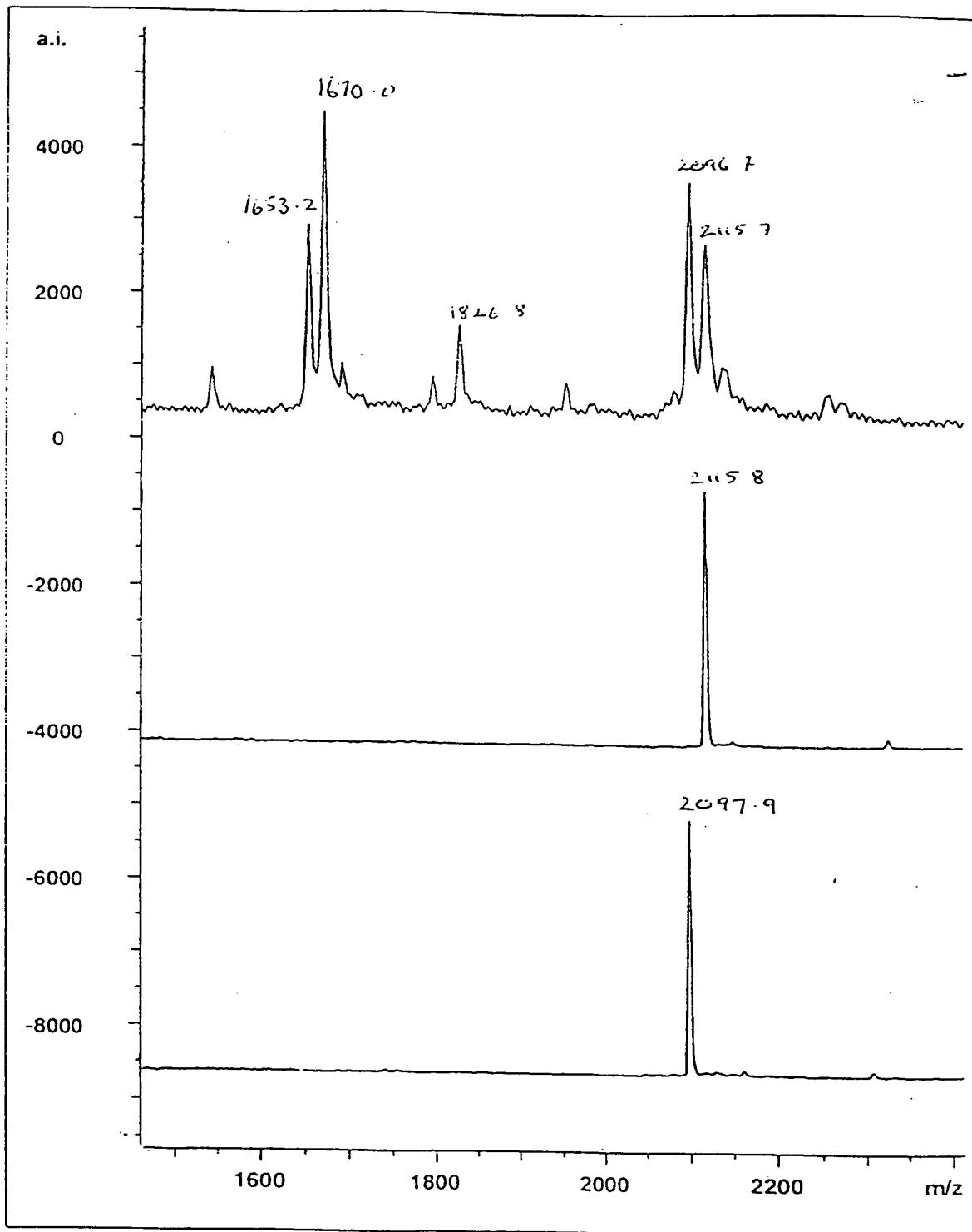


FIGURE 4A

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FIGURES 4B TO 4D



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ONKPPSKPNNDHFHFVFNFVPCSICSNNPTCWAICK

Fragment 1  
4124.7 / 4107.7

ONKPPSKPNNDHFHFVFNFVPCSICSNNPTCWAICK

Fragment 1R  
4128.7 / 4111.7

NFVPCSICSNNPTCW AICK

Fragment 2  
2115.49

NFVPCSICSNNPTCW

Fragment 2R  
1685.95

NFVPCSICSNNPTCWAICK

Fragment 3  
2097.47

NFVPCSICSNNPTCWAICK

Fragment 3R  
2101.51

ICSNNPTCWA

Fragment 4  
1107.26

CSICSNNPTCWAICK

Fragment 5  
1639.94

CSICSNNPTCW AICK

Fragment 6  
1658.0

FIGURE 5

09202035 120498

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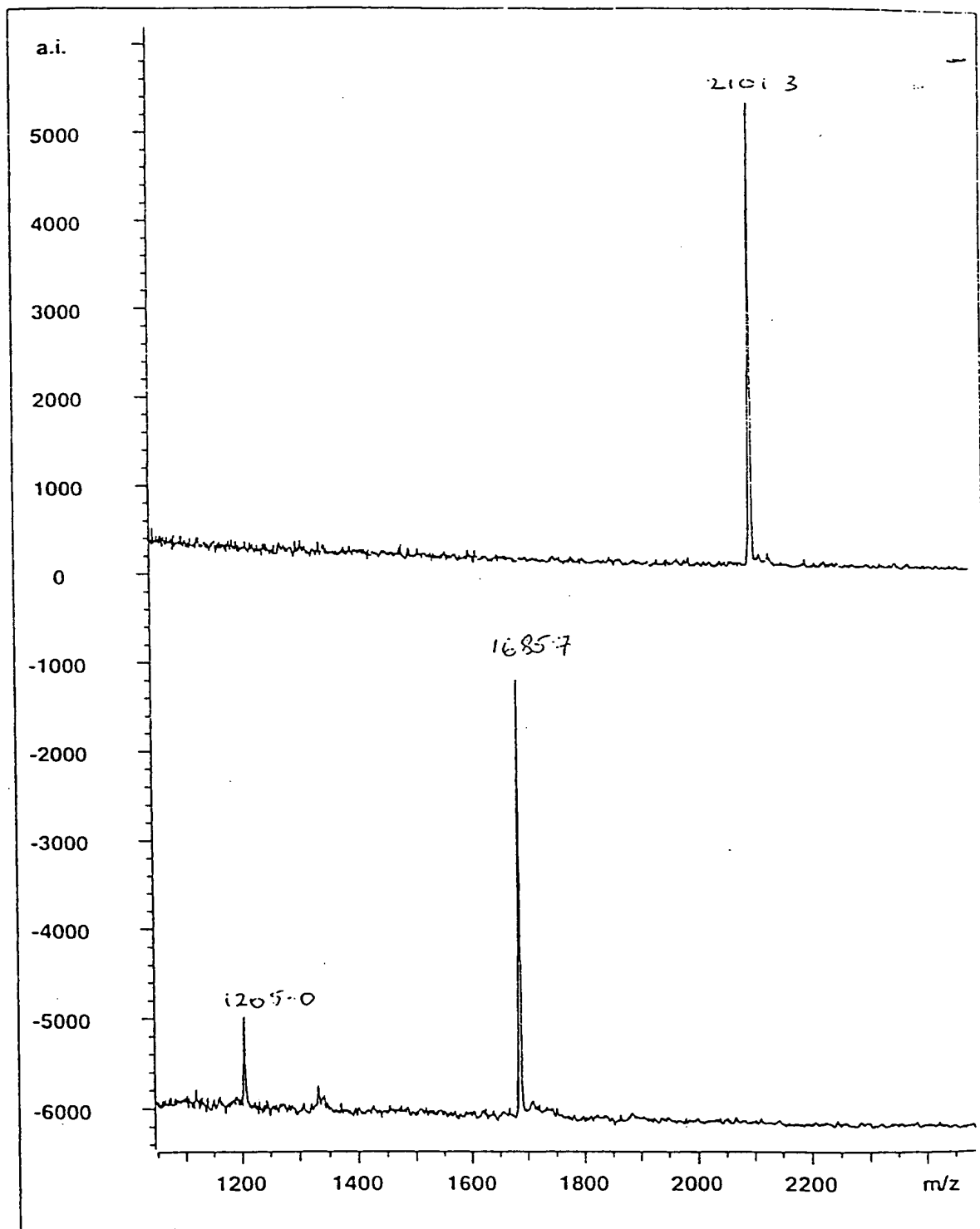


FIGURE 6

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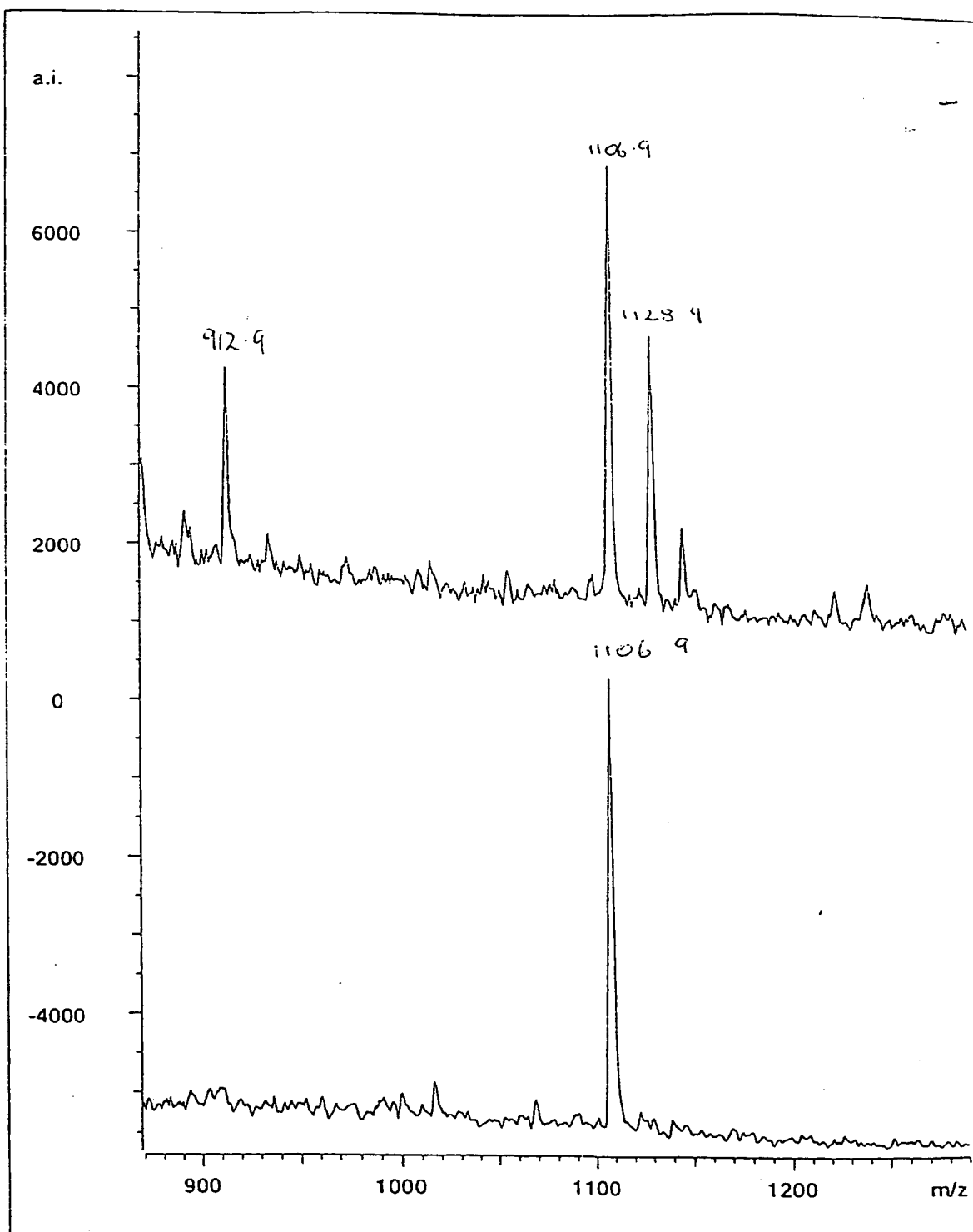


FIGURE 7

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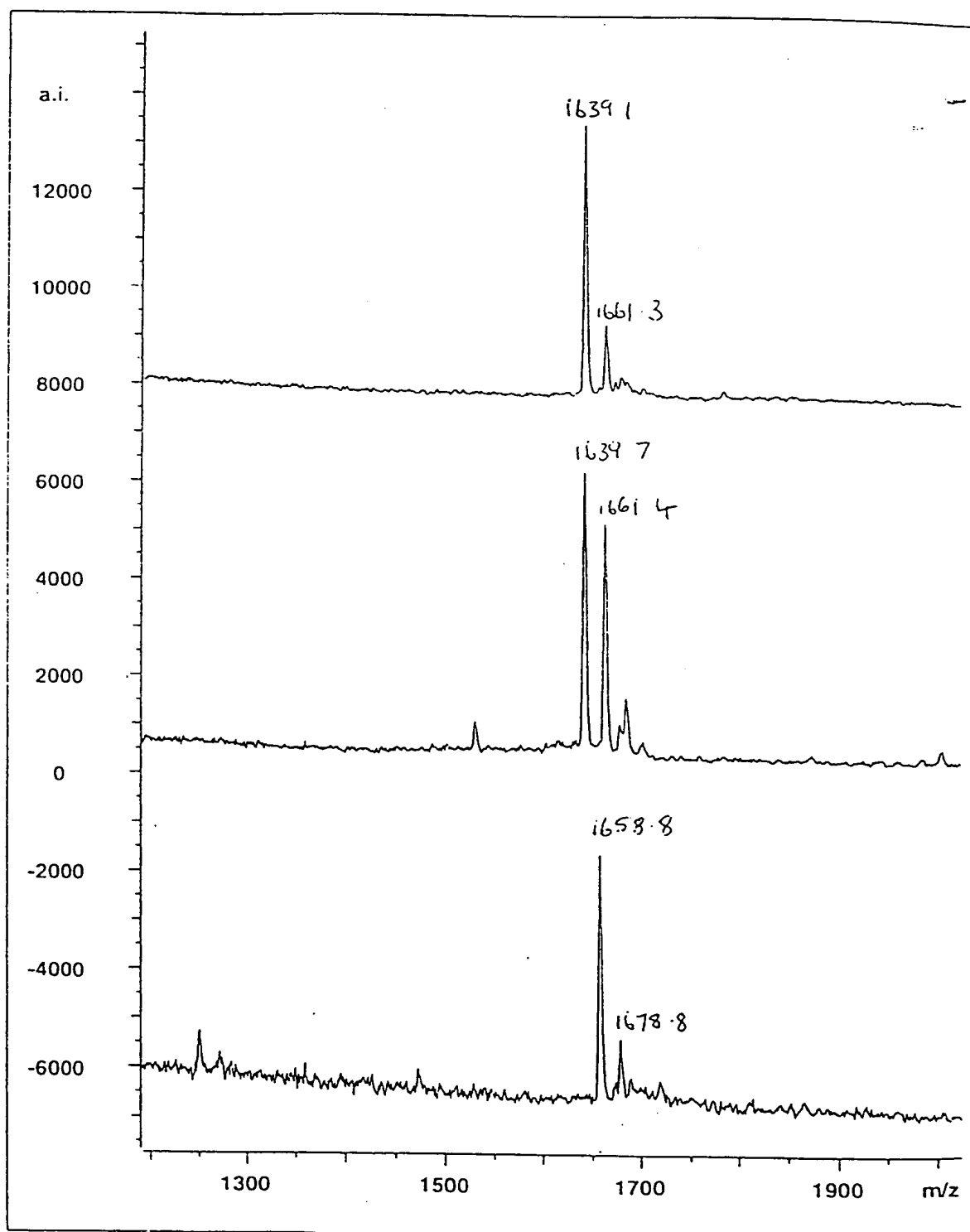
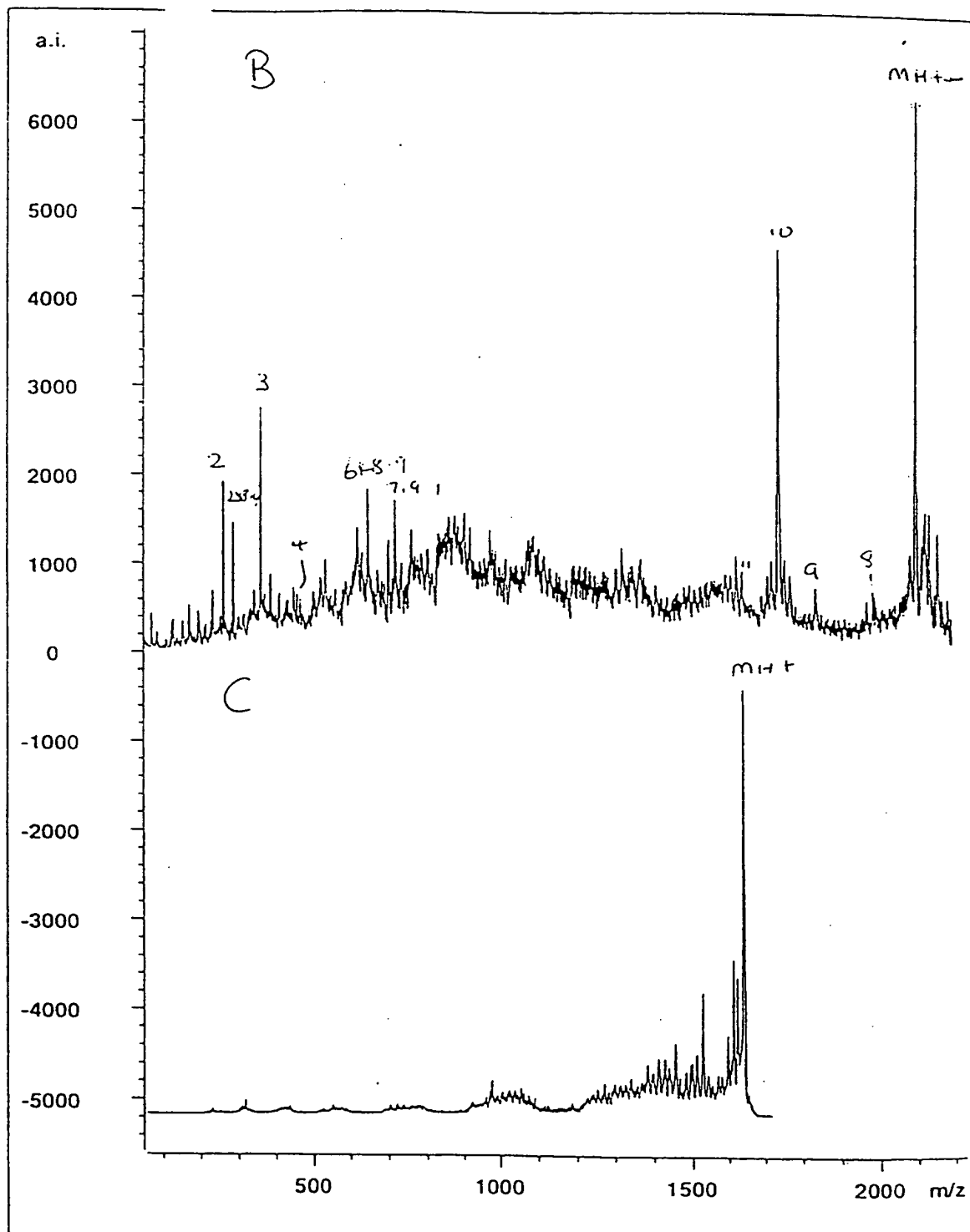


FIGURE 8

**SECRET**



13/23'



**FIGURES 9B & 9C**

090315Z 150420Z

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864021" SE020260

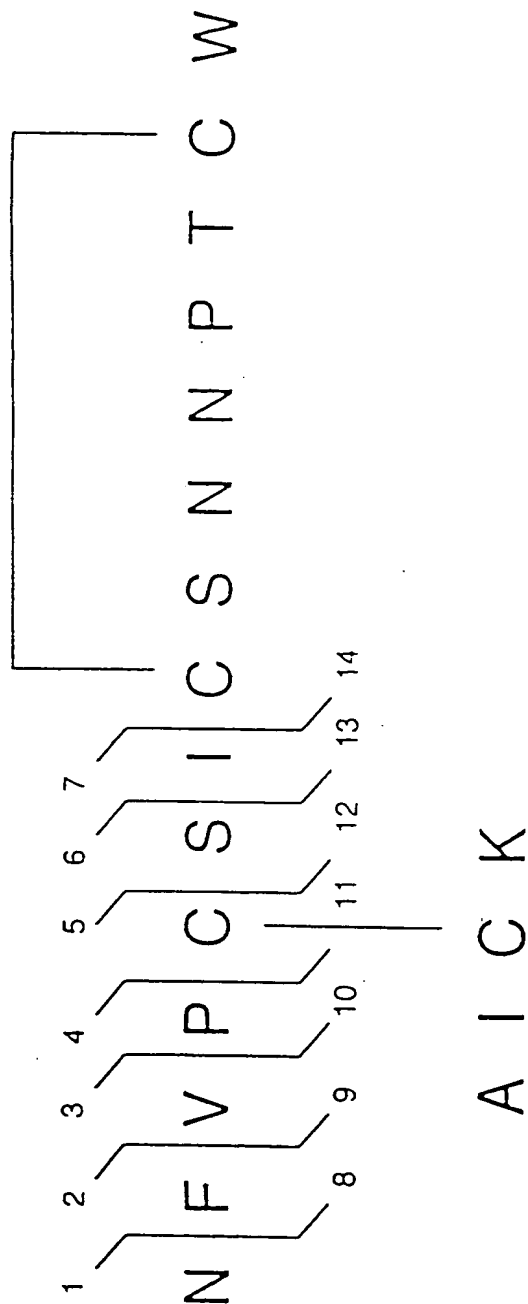


FIGURE 10

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150		KQRQNKPPSKPNDFHFEVFNFP	<b>C</b> SI	<b>C</b> SNNPT	<b>C</b> WAI	<b>C</b> KRIPNKKPGKK	Human A
160		-S-SKN--K--KD-Y-----	-G--	QL-KS--	-T--	SN--K--	Human B
170		NPSGSI--ENHQDHNN-QTLPY----	-T-	EG-LA-	LSL-	HIETRA-SRA	Bovine
180		SSQKSN-SEIQQDYSDFQILPY---	-N--	EGDSA-	LSL-	QDRSESILD-A	Ovine
190							
195							

FIGURE 11





150 160 170 180 190 195

1 ACKQRQNKPPSKPNNDFHFEVFNFPVPSICSNNPTCWAICKRIPNKKPGKKamide

2 ACKQRQNKPPSKPNNDFHFEVFNFPVPSICSNNPTCWAICKRIPamide

3 AcFHFVFNFPVPSICSNNPTCWAICKRIPNKKPGKKamide

4 ACKQRQNKPPSKPNNDFHFEVFNFPVPSICGamide

5 fitcKQRQNKPPSKPNNDFHFEVFNFPVPSICSNNPTCWAICKRIPNKKPGKKamide

6 fitcFHFVFNFPVPSICSNNPTCWAICKRIPNKKPGKKamide

7 bbKQRQNKPPSKPNNDFHFEVFNFPVPSICSNNPTCWAICKRIPNKKPGKKamide

8 biotKQRQNKPPSKPNNDFHFEVFNFPVPSICSNNPTCWAICKRIPNKKPGKKamide

9 fitcVTRQRRARNGASRS

FIGURE 12

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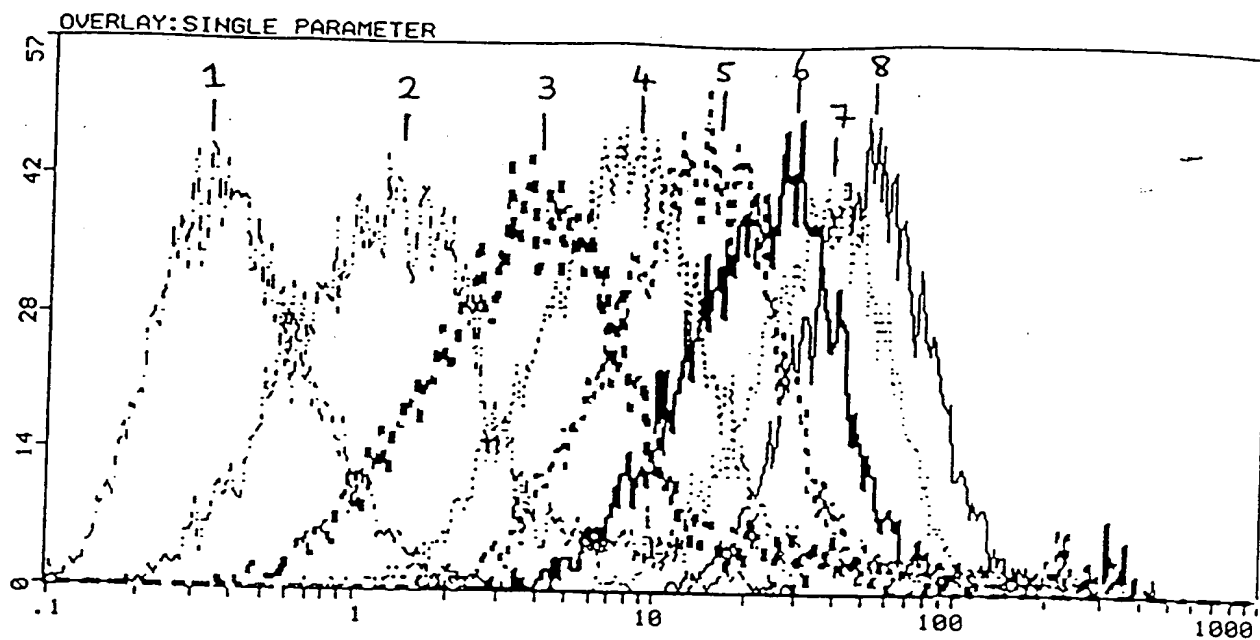


FIGURE 13

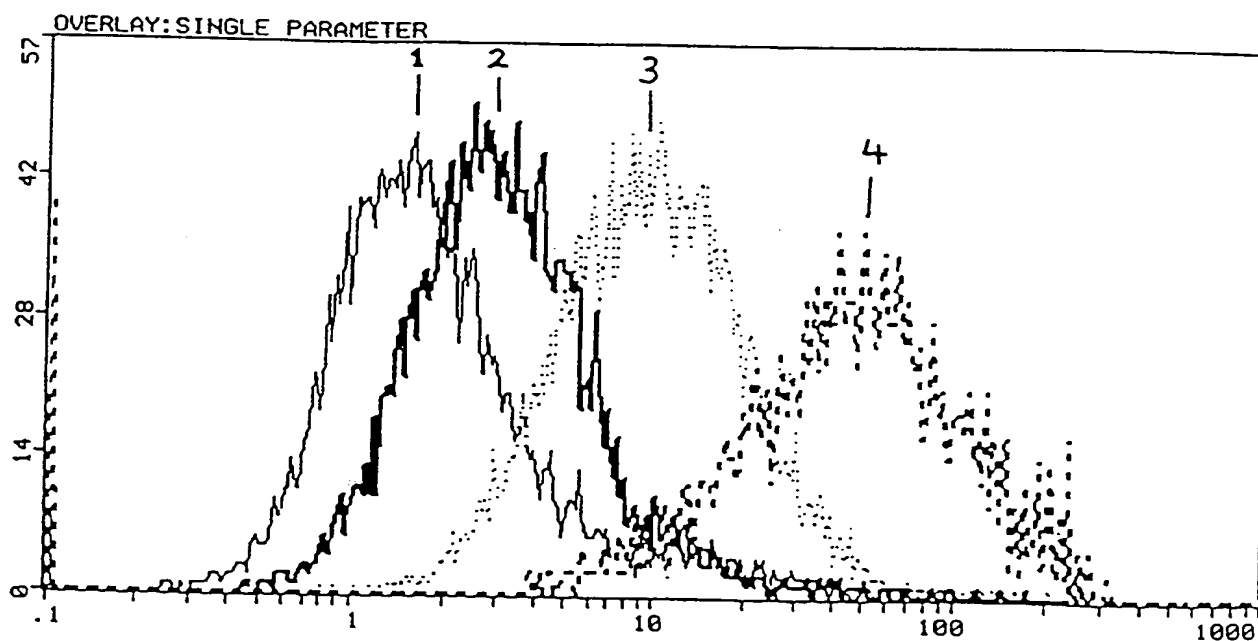


FIGURE 14

864021" 5E020260

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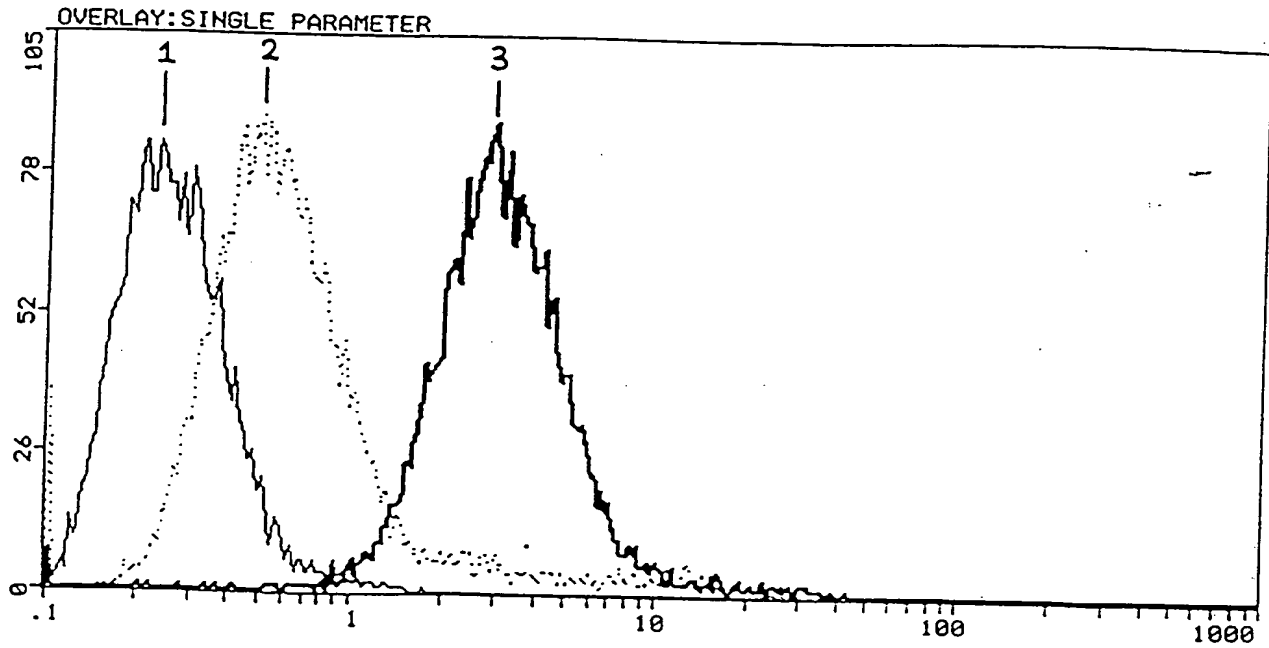


FIGURE 15

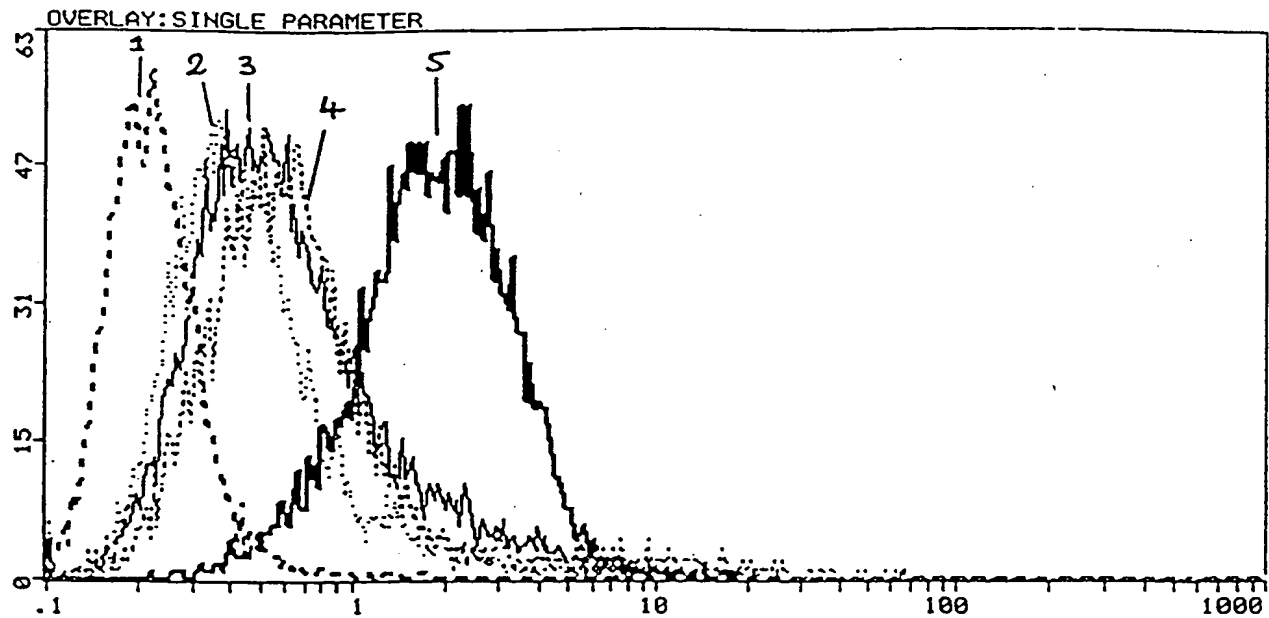


FIGURE 16

864021" SE020260

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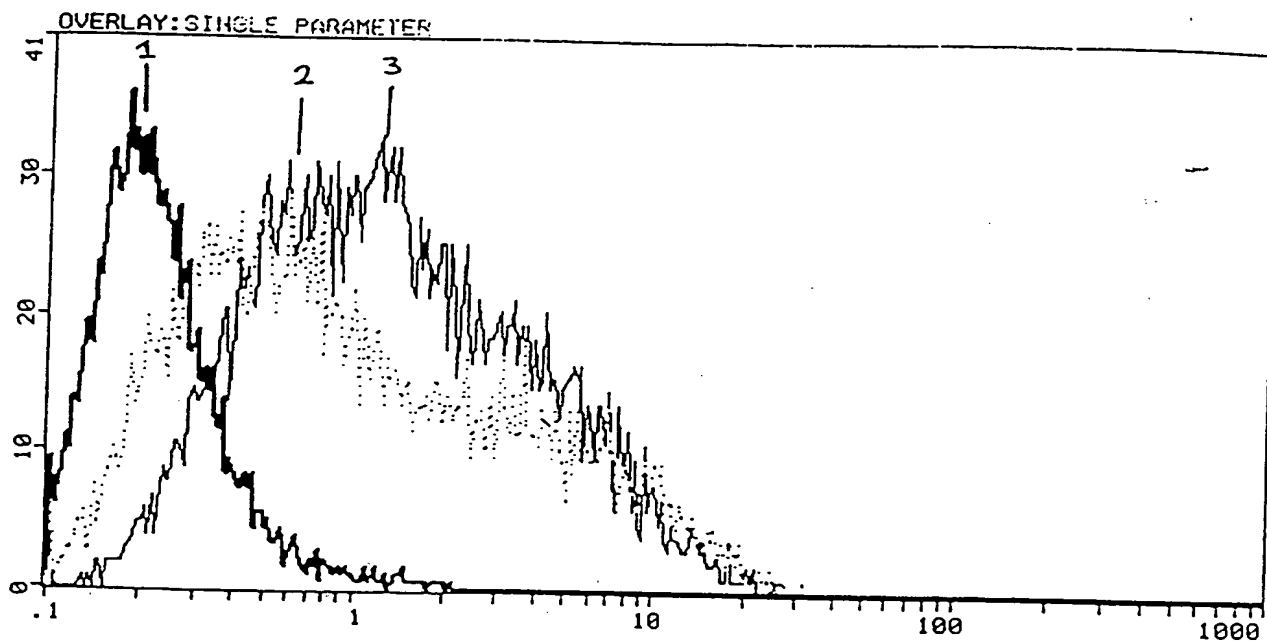


FIGURE 17

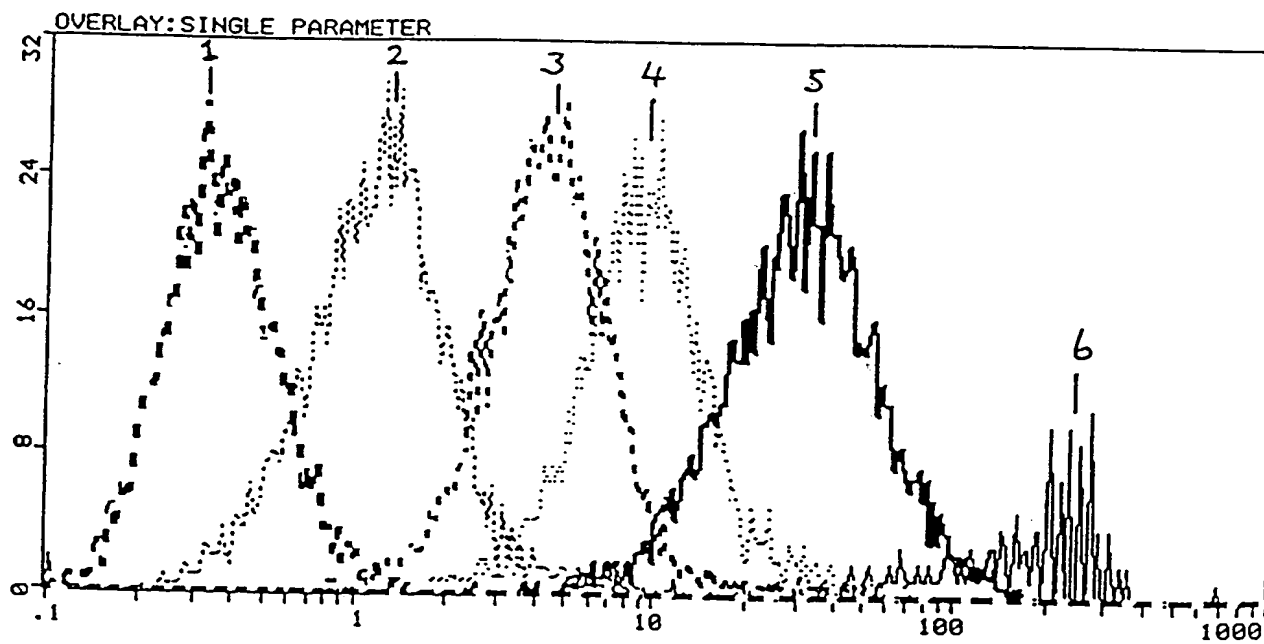


FIGURE 18

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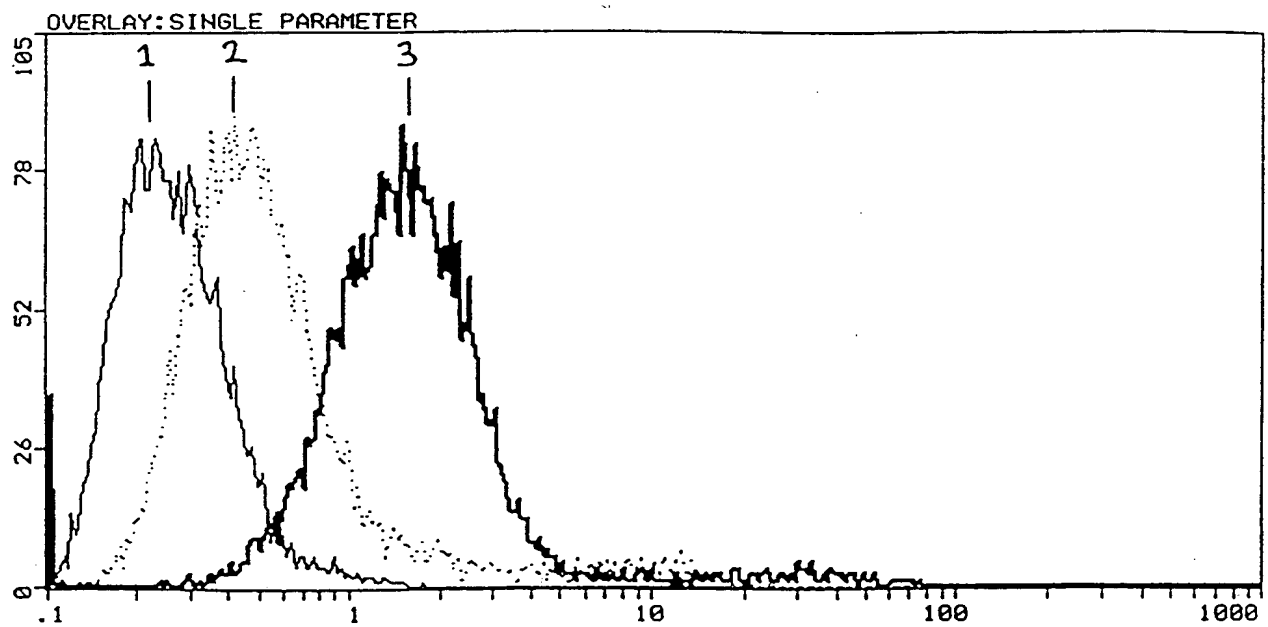


FIGURE 19

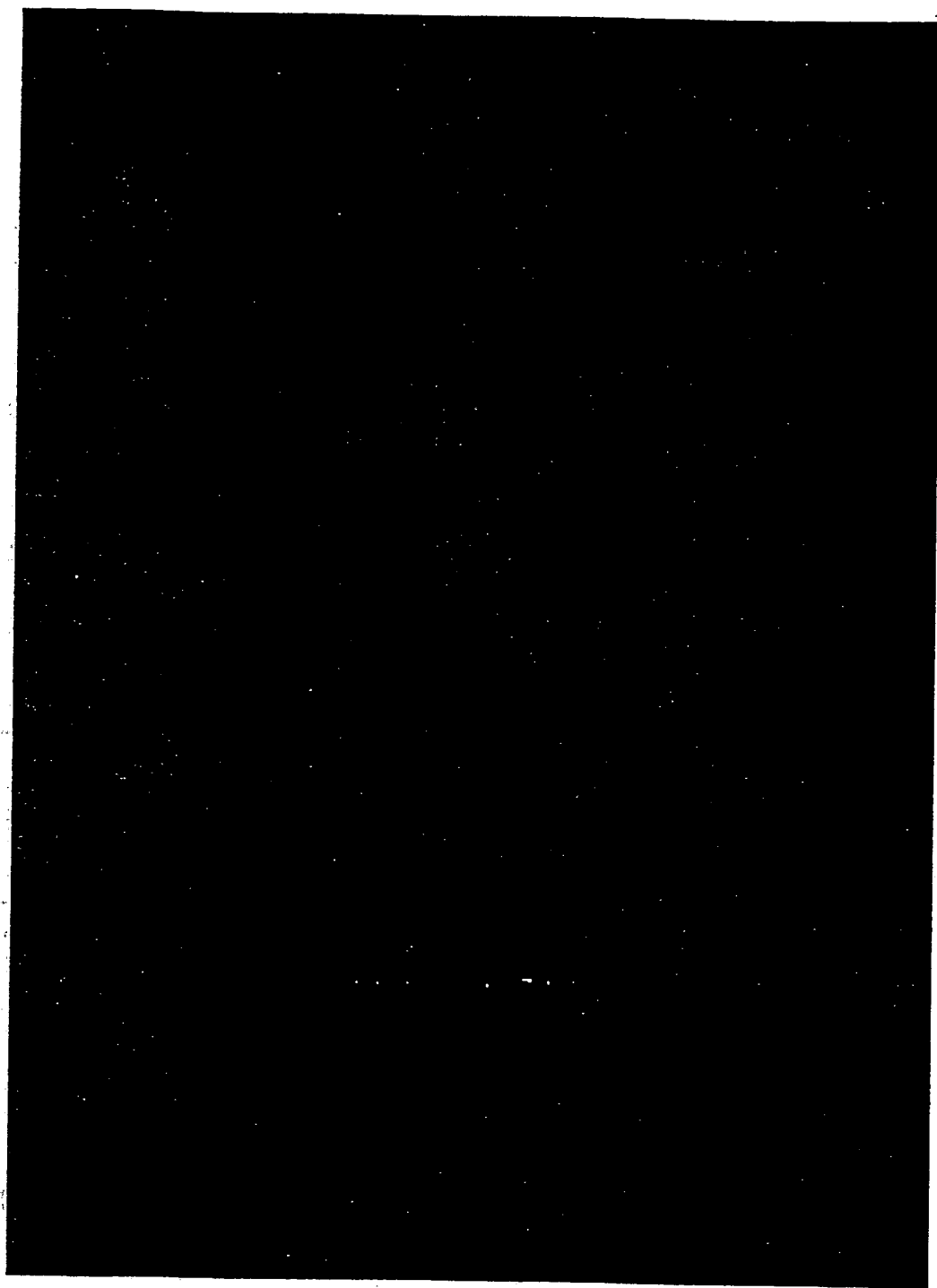


FIGURE 20

09202035 120498

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864027" 5E020260

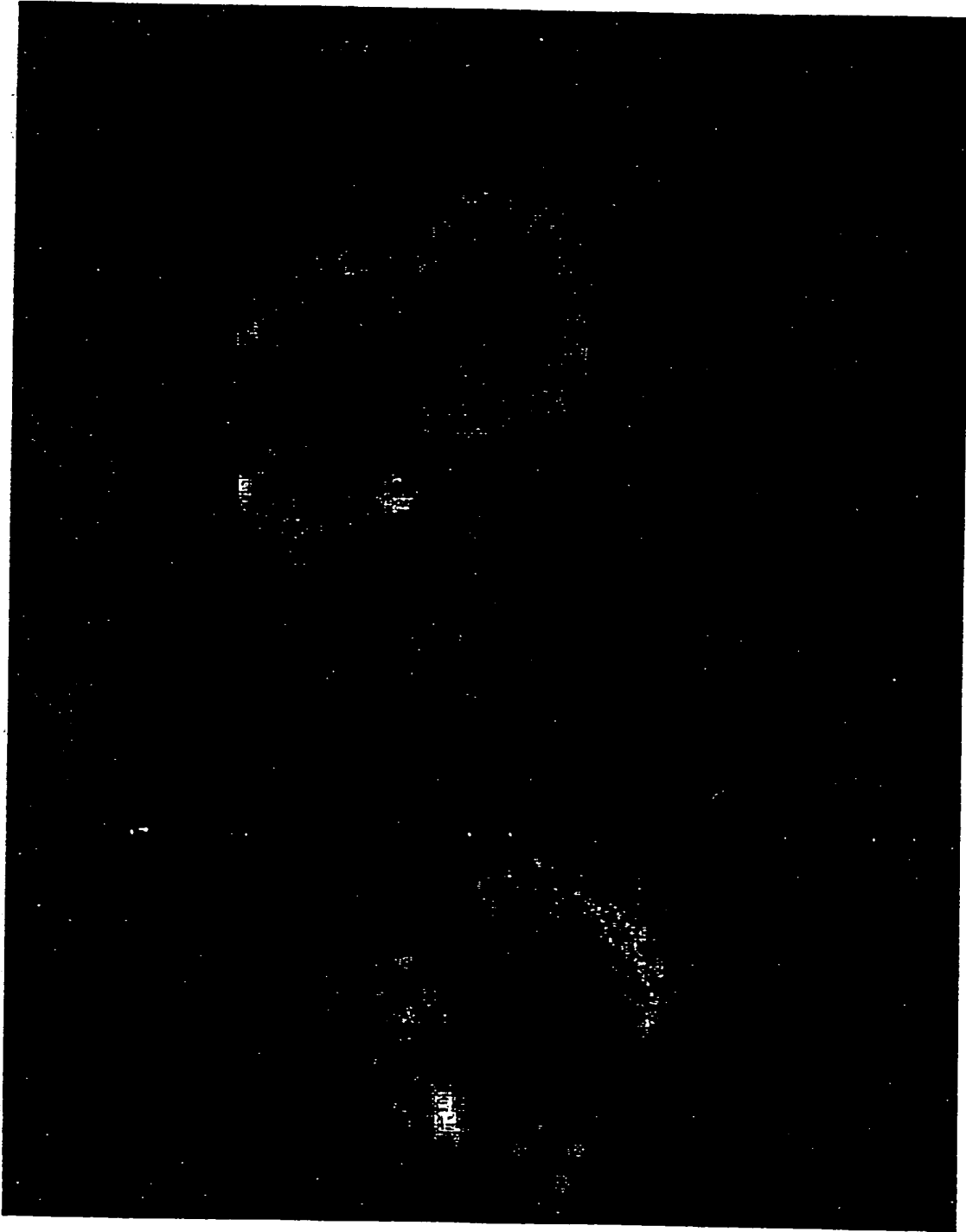
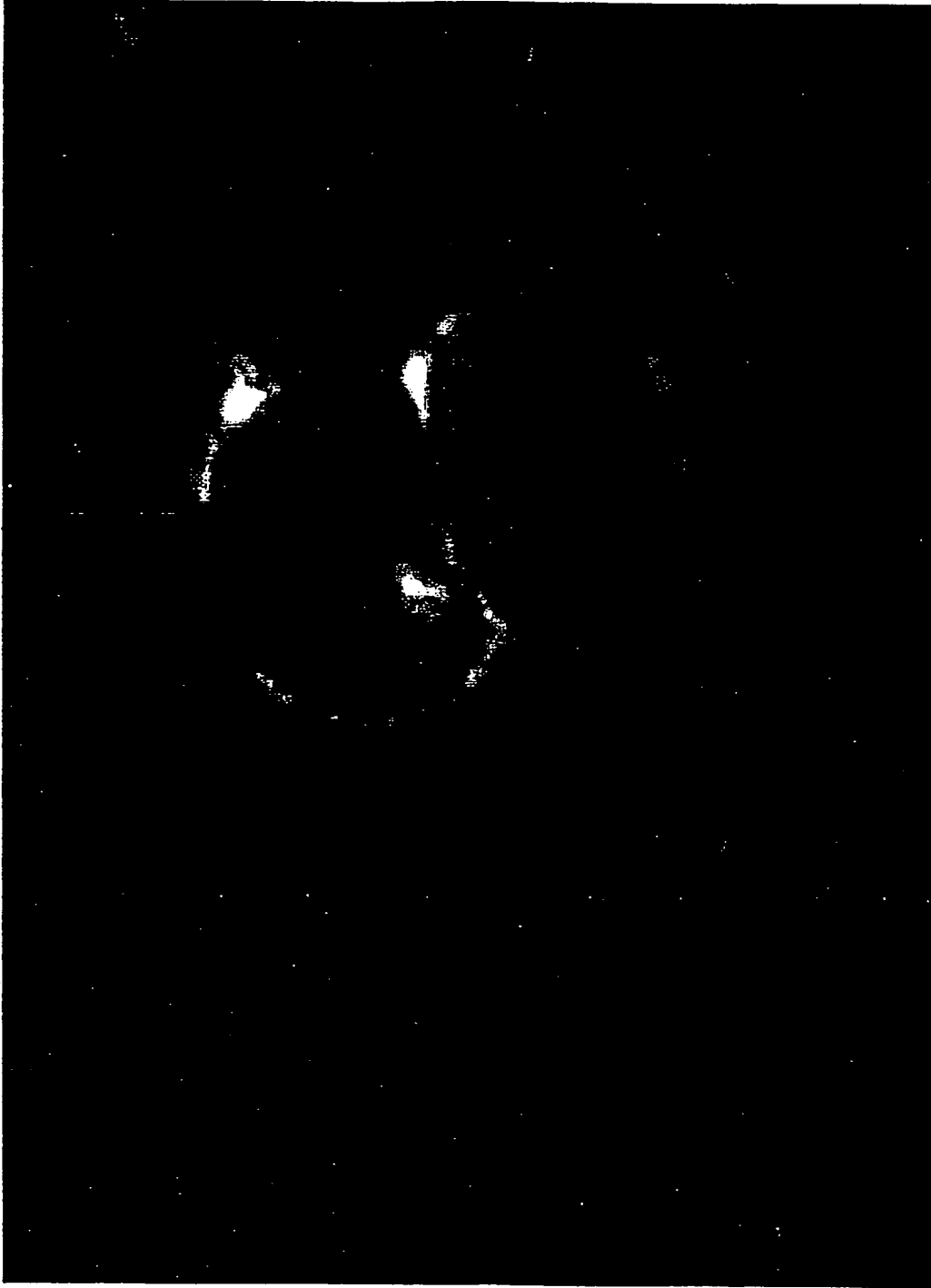


FIGURE 21

**Beck's Law**



**FIGURE 22**